

*Geometry and Physics at the End of the Century*

- J. P. BOURGUIGNON: Parallel Transport and Connection in Geometry and Physics  
 A. CENCINER: Geometry of the Three-Body Problem  
 G. ISRAEL: H. Poincaré and F. Enriques: Two Different Points of View Concerning the Relations between Geometry, Mechanics, and Physics  
 G. CHÂTELET: Extended Space and Intelligible space: What Does Opening a Dimension Mean?  
 F. BALIBAR: Geometry and Experience

*Geometrization of Mathematics and Physics: Contemporary Tendencies*

- T. REGGE: Geometry and Unified Theory of Matter  
 J. M. SOURIAU: Classical Mechanics—Symplectic Geometry—Quantic Physics  
 D. BENNEQUIN: Symplectic Geometry: Formulas and Topology  
 B. TEISSIER: Algebraic Geometry and Singularities  
 M. GROMOV: From Local to Global in Riemannian Geometry  
 P. CARTIER: Geometry and Arithmetic  
 T. REGGE: On the Structure of Cosmological Matter

*Geometry and Philosophy of Mathematics*

- J. T. DESANTI: From Husserl, Hilbert, and Weyl to Lautman and Cavaillès  
 G. G. GRANGER: The Transcendental and the Formal in Mathematics

**XII. Österreichischer Mathematikerkongreß**

Vienna, Austria, September 17–22, 1989

One of the 13 sections dealt with history of mathematics apart from other subjects. The following lectures were given:

- Peter Baptist (Bayreuth, FRG): Ein Punkt mit vielen Vätern—und einer war aus Wien  
 Stefan Deschauer (Eichstätt, FRG): “Lern wol mit vleiß daß eyn mol eyn/ Szo wirt dir alle Rechnung gemeyn”—ein Beitrag zur Geschichte des Kopfrechnens

- Rudolf Fritsch (Munich, FRG): 200 Jahre französische Revolution—Problem und Satz von Napoleon mit Variationen  
 Erwin Kreyszig (Ottawa, Canada): Friedrich Riesz und seine Bedeutung für die Entwicklung der Funktionalanalysis  
 Johannes Lehmann (Leipzig, GDR): Historische Mathematikaufgaben für Unterricht und Freizeit  
 Hans Loeffel (St. Gallen, Switzerland): Pascal als Wegbereiter der Infinitesimalrechnung  
 Leopold Schmetterer (Vienna, Austria): Johann Radon 1887–1956

## Archimede: Mito Tradizione Scienza

### Convegno Internazionale di Studi

*Syracusa-Catania, Italy, October 9–12, 1989*

The International Symposium on Archimedes: Myth, tradition, science was organized by a committee consisting of Corrado Dollo, Giuseppe Giarrizzo, Mario Marino, Antonino Maugeri, Giuseppe Pulvirenti, Francesco Romano, and Giuseppe Santagati.

The following lectures were given:

- GIUSEPPE CAMBIANO (Torino): Discovery and Demonstration in Archimedes  
 ROSHIDI RASHED (Paris): Archimedes in Arabic Mathematics  
 JENS HØYRUP (Roskilde): Archimедism, Not Platonism: On a Malleable Ideology of Renaissance Mathematicians (1400 to 1600), and on Its Role for the Formation of 17th Century Philosophies of Science  
 ANTONINO MAUGERI (Catania): Cognition in Archimedes between Axiomatics and Intuition  
 RONALD RIVLIN (Bethlehem): Archimedes: Father of Statics  
 MENSO FOLKERTS AND RICHARD LORCH (Munich): Some Geometrical Theorems Attributed to Archimedes in Arabic and Their Appearance in the West  
 ATTILIO AGODI (Catania): Archimedes, Theory and Engineering of Cognition  
 ROSARIO MOSCHEO (Messina): The Archimedes of Maurolyco: Origin, Developments, and Results of a Complete Editorial Event  
 ANNA DE PACE (Milano): Archimedes in Jacopo Mazzoni  
 CORRADO DOLLO (Catania): The Hegemony of Archimедism in Galilei  
 DIONIGI GALLETTA (Torino): The Theory of Lever in Archimedes's Works and Its Implications  
 WILLIAM SHEA (Quebec): Archimedes and Descartes: A Syracusan Victory  
 UGO BALDINI (Chieti): Archimedes in the 17th Century  
 GIOVANNI SALMERI (Catania): Archimedes and Archaeology